

**Work Order ID 68694**

Page 1

Wednesday, April 20, 2011 8:24:20 AM

Item ID: D206-558-041

Accept



Setup Start



Revision ID:

Stop



Item Name: Single Cargo Mirror Assembly

Start Date: 4/20/2011 Start Qty: 1.00



Cust Item ID:

Required Date: 4/25/2011 Req'd Qty: 1.00



Customer:

Reference:

Approvals:

Process Plan:

Date: 4/20/2011

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start



Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

Draw Nbr

Revision Nbr

IIN D206-558

Rev C

100

0.00



DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile and type labels as per PPP D206-558-041 DS1 9436  
CHG009

8/11/13

Haber CL 11-4-26

110

0.00



Small Fab

Small Fab

Memo

0.00

Small Fab

Assemble as per Dwg D206-558  
PAGE 10 IN BLUE FILE

EP 4/25/25 (1)

120

0.00



QC5- Inspect part completeness to step on W/O

QC

Memo

0.00

Quality Control

8/11/13

(K)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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Customer:

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Run Start



Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

125

Pick Kit

0.00



Packaging

Memo

0.00

Packaging

11/4/255

130

QC4- 100% Inspect kits for completeness

0.00



QC

Memo

0.00

Quality Control

8 u65/30

Q

140

Packaging

0.00



Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D206-558-041 DSI 9436

Location:

PPP Rev:

v2 K

10/11/6/01 ①

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Cust Item ID:

Required Date: 4/25/2011 Req'd Qty: 1.00



Customer:

Reference:

Run Start



Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Stop



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

150

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

11/6/10 JG  
mf

11-06-02

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval. QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries





Wednesday, April 20, 2011 8:24:32 AM

1000

**Required Date:** 4/25/2011

**Required Qty: 1.00**

**Comments:** IPP F02.09.19 Re-format; Incorporated D2065 KJ  
IPP Rev:G 08-05-14 now @ chg006/add D3778-1 per ECN1171 DD  
verified:ec  
IPP Rev:H 08-08-19 now @ chg 007 DD verified by:ec IPP Rev:I  
10.03.17 add pick kit DD verified by:JLM IPP REV:J 11.01.19 AS  
PER CHG009 DD VRF:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN960JD10 	NASH149D0363J	Purchased	No			110	Each	0.0000	4	4			
Washer. D2011-101 		Manufactured	No			110	Each	37.0000	1	1			
6" Mirror													
				<u>Location</u>									
				ST221				37					
				65838				37					
D2052 		Manufactured	No			110	Each	24.0000	2	2			
Mounting Bracket													
				<u>Location</u>									
				GA				24					
				67743				24					
D2053 		Manufactured	No			110	Each	12.0000	1	1			
Mounting Bracket													
				<u>Location</u>									
				ST005				12					
				65837				12					

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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# Picklist Print

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Page 2

Work Order ID: 68694



Parent Item: D206-558-041



Parent Item Name: Single Cargo Mirror Assembly

Start Date: 4/20/2011

Required Date: 4/25/2011

Start Qty: 1.00

Required Qty: 1.00

D2054



Bushing

Manufactured No

110 Each

54.0000

2

2



*EP 11/04/25*

Location

Loc Qty

Loc Code

GA

54

61834

8

67784

46

2

D2055



Clamp

Manufactured No

110 Each

2.0000

1

1



*EP 11/04/25*

Location

Loc Qty

Loc Code

GA

2

58393

2

1

D2056



Bell Crank

Manufactured No

110 Each

5.0000

1

1



*EP 11/04/25*

Location

Loc Qty

Loc Code

GA

5

66183

5

1

D2057



Plug

Manufactured No

110 Each

13.0000

1

1



*EP 11/04/25*

Location

Loc Qty

Loc Code

ST005

13

60880

13

1

D2065



Arm

Manufactured No

110 Each

8.0000

1

1



*EP 11/04/25*

Location

Loc Qty

Loc Code

ST229

8

61381

8

1

Wednesday, April 20, 2011 8:24:33 AM

Shop Packet Print

Page 2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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Wednesday, April 20, 2011 8:24:33 AM

Work Order ID: 68694

Parent Item: D206-558-041

Parent Item Name: Single Cargo Mirror Assembly

Start Date: 4/20/2011

Required Date: 4/25/2011

Start Qty: 1.00

Required Qty: 1.00

MS21042L3

Purchased

No

110

Each

2,500.000

2

2

Nut

Location

Loc Qty

Loc Code

ST300

2500

116391

126

116540

800

116549

774

117441

800

MS27039-1-18

Purchased

No

110

Each

100.0000

2

2

Screw

Location

Loc Qty

Loc Code

ST292

100

115589

100

AN3-4A

Purchased

No

125

Each

736.0000

4

4

Bolt

Location

Loc Qty

Loc Code

ST350

736

104291

300

104625

300

114374

136

AN526-1032R9

Purchased

No

125

Each

148.0000

4

4

Screw

Location

Loc Qty

Loc Code

ST328

148

116900

48

117395

100

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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# Picklist Print

Wednesday, April 20, 2011 8:24:33 AM

Page 4

Work Order ID: 68694

Parent Item: D206-558-041

Parent Item Name: Single Cargo Mirror Assembly

Start Date: 4/20/2011

Required Date: 4/25/2011

Start Qty: 1.00

Required Qty: 1.00

AN960ID10L NAS1149D0332J Purchased No

125 Each

0.0000

6 6



Washer

D2067

Manufactured No

125 Each

0.0000



Connector

D2071

Manufactured No

125 Each

10.0000



Cable Assembly

Location

Loc Qty

Loc Code

ST222

10

66317

10

D3778-1

Manufactured No

125 Each

4.0000



Bracket

Location

Loc Qty

Loc Code

ST277

4

65835

4

MS21042L3

Purchased No

125 Each

2,500.000



Nut

Location

Loc Qty

Loc Code

ST300

2500

116391

126

116540

800

116549

774

117441

800

Wednesday, April 20, 2011 8:24:33 AM

Shop Packet Print

Page 4

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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Work Order ID: 68694

Parent Item: D206-558-041

Parent Item Name: Single Cargo Mirror Assembly

Start Date: 4/20/2011

Required Date: 4/25/2011

Start Qty: 1.00

Required Qty: 1.00

MS21919-DG5

Purchased

No

125

Each

64.0000



Clamp

1 2 2  
[Barcode] [Signature]

Location

Loc Qty

Loc Code

ST306

64

116805

24

117395

40

2

MS35489-9

Purchased

No

125

Each

53.0000



Grommet

1 1  
[Barcode] [Signature]

Location

Loc Qty

Loc Code

ST296

53

107376

53

1

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

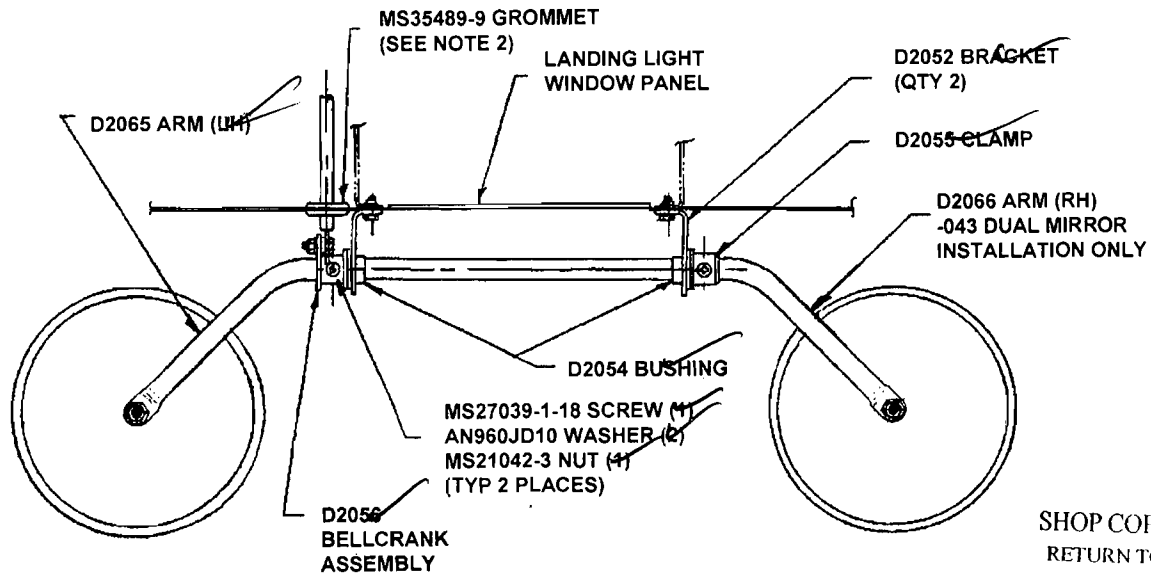
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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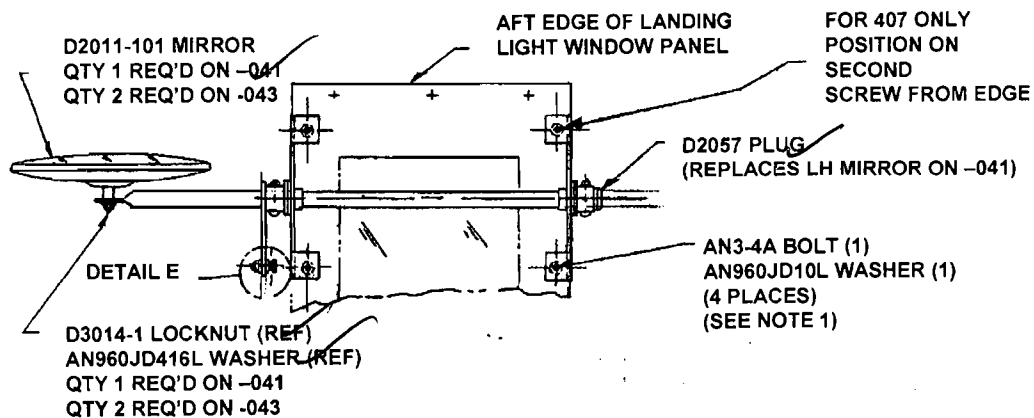




**Figure 25.2 – View A: Looking Aft.**  
(D206-558-043 Mirror Shown)

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 85624

PL 11-04-20



**Figure 25.3 – View C: Looking Down on Mirror Installation (D206-558-041 Mirror Shown)**

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Revision: 0

**25-00-00**  
Page 3 (4 blank) of 8

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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# REFERENCE ONLY

FROM THIS POINT FORWARD, CUSTOMERS SHOULD ORDER D407-558-045/-047 IN LIEU OF D206-558-041/-043 WHEN PROCURING SINGLE/DUAL MIRRORS FOR BHT 407 MODELS. AMEND SECTIONS 4.0 AND 5.0 OF INSTALLATION INSTRUCTIONS D206-558 REV. C OR EARLIER AND 25.3 AND 25.4 OF ICA-D206-558 REV. 0 AS FOLLOWS:

## 4.0 WEIGHT AND BALANCE (D206-558 REV. C OR EARLIER)

## 25.3 WEIGHT AND BALANCE (ICA-D206-558 REV. 0)

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D206-558-041	2.4 lb	+5.0 in	+12.0 in-lb	+14.8 in	+35.5 in-lb
Bell 206A/B/L/L1/L3/L4	1.09 Kg	+0.13 m	+0.14 m-Kg	+0.38 m	+0.41 m-Kg
D206-558-043	3.0 lb	0.0 in	0.0 in-lb	+14.8 in	+44.4 in-lb
Bell 206A/B/L/L1/L3/L4	1.36 Kg	0.0 m	0.0 m-Kg	+0.38 m	+0.52 m-Kg
D407-558-045	2.4 lb	+5.0 in	+12.0 in-lb	+14.8 in	+35.5 in-lb
Bell 407	1.09 Kg	+0.13 m	+0.14 m-Kg	+0.38 m	+0.41 m-Kg
D407-558-047	3.0 lb	0.0 in	0.0 in-lb	+14.8 in	+44.4 in-lb
Bell 407	1.36 Kg	0.0 m	0.0 m-Kg	+0.38 m	+0.52 m-Kg

## 5.0 PARTS LIST (D206-558 REV. C OR EARLIER)

## 25.4 PARTS LIST (ICA-D206-558 REV. 0)

Qty -041	Qty -043	Qty -045	Qty -047	Part Number	Description
X				D206-558-041	SINGLE CARGO MIRROR ASSEMBLY
	X			D206-558-043	DUAL CARGO MIRROR ASSEMBLY
		X		D407-558-045	SINGLE CARGO MIRROR ASSEMBLY
			X	D407-558-047	DUAL CARGO MIRROR ASSEMBLY
2	2	1	2	D2011-101	MIRROR ASSEMBLY
2	2	2	2	D2052	BRACKET
1	1	1	1	D2053	BRACKET
2	2	2	2	D2054	BUSHING
1	1	1	1	D2055	CLAMP
1	1	1	1	D2056	BELLCRANK ASSEMBLY
1	1	1	1	D2057	PLUG
1	1	1	1	D2065	ARM
1	1	1	1	D2066	ARM
1	1	1	1	D2067	CONNECTOR
1	1	1	1	D2071	CABLE ASSEMBLY
1	1	1	1	D2071-3	CABLE ASSEMBLY
1	1	1	1	D3014-1	* LOCKNUT
1	1	1	1	D3778-1	BRACKET
4	4	4	4	AN3-4A	BOLT
4	4	4	4	AN526-1032R9	*SCREW
1	2	1	2	AN960JD446L	* WASHER
4	4	4	4	AN960JD10	WASHER
6	6	6	6	AN960JD10L	WASHER
3	3	3	3	MS21042-3	NUT (or MS21042L3) -2
2	2	2	2	MS21919DG5	CLAMP
2	2	2	2	MS27039-1-18	SCREW
1	1	1	1	MS35489-9	GROMMET
1	1	1	1	MS35489-67	GROMMET

\* INCLUDED AS PART OF D2011-101 MIRROR ASSEMBLY

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED  
BY: *[Signature]*  
D. SHEPHERD (DE # 02)  
DATE: 08.12.04  
CERT. NO.: SH92-17  
ISSUE NO.: 7

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
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